

# POSCHANAN BUSSABA

DEVELOPER



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## ABOUT ME

Recent Computer Science graduate from Thammasat University with a growing interest in software development and system design. Familiar with Python, JavaScript, HTML/CSS, and SQL, and have gained some hands-on experience in building simple web applications, and working with databases. Eager to learn and improve in debugging, error monitoring, and enhancing user experience through thoughtful design and development.

## EDUCATION

### Bachelor of Science and Technology in Computer and Information Science

Thammasat University  
2021 - 2024

### Talent Enrichment Program (Science-Mathematics)

Bangpakok Wittayakom school  
2018 - 2021

## SKILLS

#### Programming Languages

- C, C++
- HTML/CSS
- Python
- SQL
- Golang (in Progress)

#### Backend Development

- ETL Pipeline Development
- Airbyte
- Airflow
- API Integration
- Xano
- Workflow Automation with Airflow DAGs

#### Database Design & Management

- Star Schema Design
- Database Tools
  - PostgreSQL
  - DBeaver

#### Dashboard & Data Visualization

- Grafana
- Power BI

#### Monitoring & Debugging

- Sentry
- Error Tracking & Alerts

#### Tools & Platforms

- Docker (Containerization)
- Version Control
  - Git
- Development Tools
  - VS Code
  - Figma

## INTERNSHIP EXPERIENCE

June  
2024

-

December  
2024

### TCC Technology

Intern Data Analyst

Project: Visionary mobile application data analytics for user acquisition and behavior insights

- **Backend Development:** Designed and implemented efficient ETL pipelines using Airbyte and Airflow to automate processes such as data extraction, validation, and transformation. Managed workflows using Airflow DAGs to streamline multi-step operations and improve system efficiency.
- **Database Design:** Developed a robust Star Schema with Fact and Dimension Tables to support scalable and optimized analytics.
- **Dashboard Development:** Created dynamic dashboards using Grafana to visualize key metrics such as user growth, notification read rates, and coupon redemptions. These dashboards provided actionable insights for decision-making in real time.
- **API Integration:** Integrated Xano APIs to ensure connectivity between systems and dashboards. This enabled accurate and seamless data reporting, supporting synchronized backend functionalities.
- **System Monitoring & Debugging:** Configured Sentry for monitoring workflows, identifying errors, and sending automated alerts. This approach significantly reduced downtime and improved system reliability.

LANGUAGE

Thai: Native  
English: Intermediate

ACADEMIC PROJECTS

2021	Course Enrollment Management System <ul style="list-style-type: none"><li>Developed a responsive front-end interface for course enrollment history using HTML and JavaScript.</li><li>Integrated the front-end with a backend database to enable seamless data retrieval and storage for course addition or withdrawal.</li></ul>
2022	Pet Grooming Salon Booking Website <ul style="list-style-type: none"><li>Designed a UML diagram and a relational database schema to support the system's backend structure.</li><li>Implemented a user-friendly web interface with HTML and CSS, focusing on smooth navigation and efficient booking processes.</li></ul>
2023	Surveying Fast Food Eating Behavior <ul style="list-style-type: none"><li>Conducted data collection and cleaning from surveys of university students, ensuring accuracy and consistency.</li><li>Visualized trends and patterns in fast-food consumption using tools like Python or Power BI to create actionable insights.</li></ul>

EXTRACURRICULAR ACTIVITIES

2022 - 2024	Branch Coordinator <ul style="list-style-type: none"><li>Managed and coordinated branch-specific activities, including event planning and venue logistics.</li></ul>
2023	Spark Camp #6 <ul style="list-style-type: none"><li>Participated in Generative AI-related projects; achieved third place.</li></ul>
2023 - 2024	Head Staff <ul style="list-style-type: none"><li>ComSci Day - ComSci Night 2024<ul style="list-style-type: none"><li>Led department events, ensuring successful execution.</li></ul></li><li>Byenior 2023 - 2024<ul style="list-style-type: none"><li>Organized events for senior alumni, focusing on logistics and venue management.</li></ul></li></ul>
2023 - 2024	Staff <ul style="list-style-type: none"><li>Thammasat Orientation 2023<ul style="list-style-type: none"><li>Coordinated venue logistics and disseminated key information to students.</li></ul></li><li>Thammasat Open House 2023<ul style="list-style-type: none"><li>Organized events and ensured appropriate venue setups.</li></ul></li><li>CSTU Color Sports 2024<ul style="list-style-type: none"><li>Organized inter-faculty sports tournaments.</li></ul></li></ul>